

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1-7. (Cancelled).

8. (New) A drive mechanism for a drug delivery device, comprising:  
an epicyclic gearbox.

9. (New) The drive mechanism of claim 8, further comprising:  
a housing including a helical thread;  
a piston rod including a non-circular cross-section and an external helical thread;  
a dose dial sleeve configured to engage with the helical thread of the housing  
and configured to rotate relative to the housing; and  
a drive sleeve configured to be disposed between the housing and the piston rod,  
the drive sleeve being configured to engage with the external helical thread of the piston  
rod.

10. (New) The drive mechanism of claim 9, wherein the dose dial sleeve is  
configured to be releasibly connected to the drive sleeve via the epicyclic gearbox.

11. (New) An assembly for use in a drug delivery device, comprising a drive  
mechanism including an epicyclic gearbox.

12. (New) The assembly of claim 11, further comprising:

- a housing including a helical thread;
- a piston rod including a non-circular cross-section and an external helical thread;
- a dose dial sleeve configured to engage with the helical thread of the housing and configured to rotate relative to the housing; and
- a drive sleeve configured to be disposed between the housing and the piston rod, the drive sleeve being configured to engage with the external helical thread of the piston rod.

13. (New) The assembly of claim 12, wherein the dose dial sleeve is configured to be releasibly connected to the drive sleeve via the epicyclic gearbox.

14. (New) A drug delivery device, comprising a drive mechanism including an epicyclic gearbox.

15. (New) The drug delivery device of claim 14, further comprising:

- a housing including a helical thread;
- a piston rod including a non-circular cross-section and an external helical thread;
- a dose dial sleeve configured to engage with the helical thread of the housing and configured to rotate relative to the housing; and

a drive sleeve configured to be disposed between the housing and the piston rod, the drive sleeve being configured to engage with the external helical thread of the piston rod.

16. (New) The drug delivery device of claim 15, wherein the dose dial sleeve is configured to be releasibly connected to the drive sleeve via the epicyclic gearbox.

17. (New) A method of assembling a drug delivery device, comprising:  
providing a drive mechanism including an epicyclic gearbox.

18. (New) The method of claim 17, further comprising:  
providing a housing including a helical thread;  
providing a piston rod including a non-circular cross-section and an external helical thread;  
providing a dose dial sleeve configured to rotate relative to the housing;  
providing a drive sleeve;  
engaging the dose dial sleeve with the helical thread of the housing;  
placing the drive sleeve between the housing and the piston rod; and  
engaging the drive sleeve with the external helical thread of the piston rod.

19. (New) The method of claim 18, further comprising:  
releasibly connecting the dose dial sleeve to the drive sleeve via the epicyclic gearbox.

20. (New) A method of assembling a drug delivery device, comprising:  
providing an assembly including a drive mechanism including an epicyclic gearbox.

21. (New) The method of claim 20, further comprising:  
providing a housing including a helical thread;  
providing a piston rod including a non-circular cross-section and an external helical thread;  
providing a dose dial sleeve configured to rotate relative to the housing;  
providing a drive sleeve;  
engaging the dose dial sleeve with the helical thread of the housing;  
placing the drive sleeve between the housing and the piston rod; and  
engaging the drive sleeve with the external helical thread of the piston rod.

22. (New) The method of claim 21, further comprising:  
releasibly connecting the dose dial sleeve to the drive sleeve via the epicyclic gearbox.

23. (New) A method of dispensing a medicinal product, comprising:  
providing a drug delivery device including a drive mechanism including an epicyclic gearbox;  
dispensing the medicinal product via the drug delivery device;

wherein the medicinal product includes an active ingredient selected from the group consisting of insulin, growth hormone, low molecular weight heparin, analogues of insulin, analogues of growth hormones, analogues of low molecular weight heparin, derivatives of insulin, derivatives of growth hormones, and derivatives of low molecular weight heparin.

24. (New) The method of claim 23, wherein the drug delivery device further comprises:

- a housing including a helical thread;
- a piston rod including a non-circular cross-section and an external helical thread;
- a dose dial sleeve configured to engage with the helical thread of the housing and configured to rotate relative to the housing; and
- a drive sleeve configured to be disposed between the housing and the piston rod, the drive sleeve being configured to engage with the external helical thread of the piston rod.

25. (New) The method of claim 24, wherein the dose dial sleeve is configured to be releasibly connected to the drive sleeve via the epicyclic gearbox.